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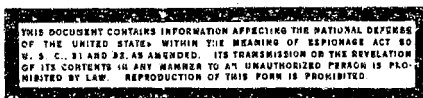
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Stepan Artyom'yevich Burguchev was born in late 1880 in the Tiflis district. While a student in Course III of the Moscow Higher Technical School (MVTU), he took part in designing the Rayon Electric Power Station imeni Klasson. Having graduated from the MVTU, Burguchev in 1920 began to work with problems of rural electrification in the "Markomzem" and in the Moscow Land Department. He was one of the first electrical engineers to engage in this project. In 1922, he transferred to the Electrotechnical Trust of the Central Rayon (ETTsR). Many factories and plants were electrified according to his designs and under his direction.

Burguchev pioneered the use of steel conductors in distribution circuits. In 1924, he published Electrical Calculations for Steel Conductors, which facilitated the use of steel in electrification of agriculture and helped to reduce expenditures of nonferrous metals in carrying out this work. His book Installation and Maintenance of Transformers serves as a textbook for electrical engineers in this field. The plans for the electrical equipment and power supply of the Metropolitan (Subway) and the Palace of the Soviets were drawn up with the cooperation and counsel of Burguchev.

Burguchev began work as a professor in the Chair of Electric Power Stations at the Lomonosov Institute in 1923. In 1930, he transferred to the newly organized Moscow Institute for Mechanization and Electrification of Agriculture imeni Molotov, where he still teaches.

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